# Forcepoint's Approach to Zero Trust (ZTX)

A data-centric security architecture, protected by behavior-based controls

#### **Victor Martinez**

Sales Engineering Manager, Forcepoint Global Governments



# The Current Mission for Data Security

Protect important data wherever it resides



without

Frustrating Users



Overwhelming Administrators



Mistaking



for





## **Data Protection Point of View**

#### **Data Discovery & Classification**

Discovery across network, endpoint & cloud apps Partnerships: Microsoft, Boldon James, Titus, Seclore



#### **Data Detection**

Machine Learning, Fingerprinting, Compliance Policies, Image Classification, OCR



**Protection** 

#### **Analytics**

Behavioral Analytics Module
Risk Adaptive Protection

Unified Endpoint Insider Threat Cloud Apps



#### **SaaS App Protection**

API Integration
Inline Cloud Proxy Infrastructure
Data in motion, in use, at rest



#### **FORCEPOINT Next Generation Data Protection**

#### Legacy DLP

- Strong policy enforcement prevents data exfiltration but can reduce workplace productivity
- ▶ DLP policy management is **static**, **set for an entire group**, must be **manually** changed if users is identified as high risk
- Organizations forced to adjudicate DLP alerts with no context, making determination of false positives difficult
- Most DLP deployments forced into monitor only mode

#### Dynamic Data Protection (DDP)

Leverage User Behavior Analytics to:

- Provide full operational context to more effectively adjudicate DLP alerts
- Automatically escalate more stringent policy deployment and enforcement for users based on data exfiltration risk indicators
- Dynamic mapping of policies with multiple enforcement options
- Maximize workforce productivity





# Data Protection – Pathway to Blocking



▶ DLP implementers are concerned with being viewed as a strain on user productivity in the event their policies result in too many false positives.



▶ Having the ability to forensically audit their alerts if important data leaks.



Many large enterprises have deployed DLP in audit only mode. The security team can mine alerts to identify data exfiltration, but they don't actively block it.

# **Moving Beyond Auditing Alerts**

Business as usual

Blocking the riskiest users



Still non-blocking, but notify the admin

#### Result

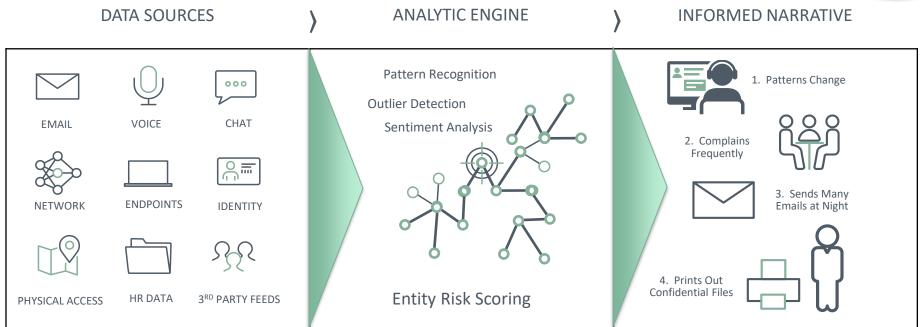
- ▶ Bad users are blocked, good users are unaffected
- Confidence in the system allows admins to deploy blocking posture
- Policies are now user specific based on individual behavior





# Analyze & Model For Insights

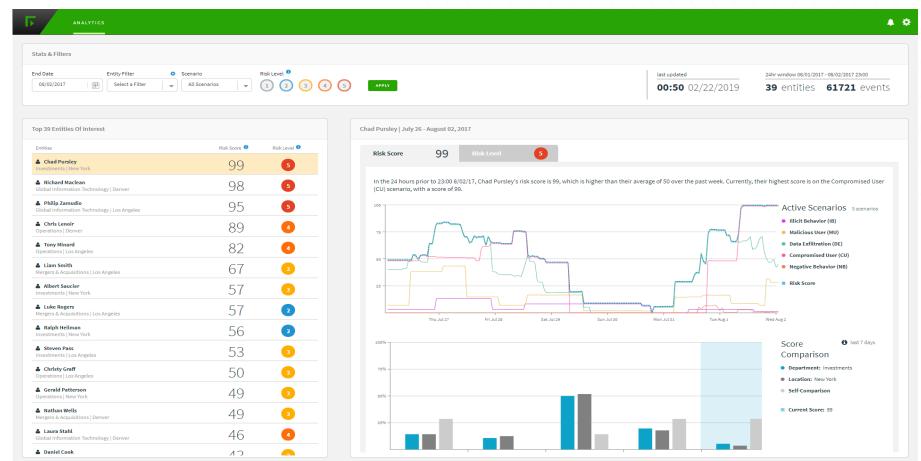




## Understand Intent Through Deep Context



## FORCEPOINT BEHAVIORAL ANALYTICS (FBA)



# DDP - Risk-Adaptive Protection

Risk-adaptive protection dynamically applies monitoring and enforcement controls to protect data based on the calculated behavioral risk level of users and value of data accessed.

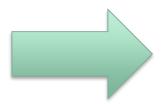
This allows security organizations to better understand risky behavior and automate policies, dramatically reducing the quantity of alerts requiring investigation.

# How Risk-Adaptive Protection Works

- Each user has a unique and dynamic Risk Level
- 2 Risk levels are driven up and down based on changes in behavior
- Risk Levels drive different outcomes
- Security adapts to Risk Levels as they fluctuate

## Improved Visibility and Reduction of Noise







- Total Incidents (30 Days) ~400,000
- Top 2 Policies ~ 65% of incidents
  - Office Files Sent over Time ~170,000
  - Large Files ~74,000
  - Requires thresholds

- Total Incidents (30 Days) ~165,000
- Visibility into all file types
- Visibility into all file sizes
- Simplification of DLP policies

# DDP Results In The Real World

	User 1 – Product Development Engineering		User 2 - Security Architecture	
Summary	<ul> <li>User injected numerous DLP policy violations and exfiltration events over 12 hours</li> <li>High Volume, important data</li> </ul>		<ul> <li>User injected small amount of DLP policy violations and exfiltration events with critical data</li> <li>Low volume, critical data</li> </ul>	
Risk Score / Level	95 / 5		93 / 4	
<b>Analytics</b>				
DDP Matches Sum – Total amount of incident		1,378		158
DDP Incident Score – Type of data being moved		75		81 22 violations with "Confidential and Proprietary Content"
DDP Event Count – Total number of exfiltration events		~130,000		~9,000
DDP Bytes Sum – Total amount of data exfilled (GB)		75		9
DDP Event Score – non incident type of data being moved		85		85



## Immediate Benefits of Dynamic Data Protection



Reduce the amount of DLP alerts that need to be triaged; transition DLP from broad to individual policies.



Provide greater flexibility in policies, and adapt enforcement based on calculated risk.



Detect and respond to high-impact events in a shorter amount of time.

# Multilevel Risk Adaptive Protection

#### **Problem:**

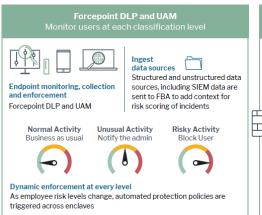
- Protect sensitive data across multiple networks
- Discover and inventory critical data and IP every place users collaborate.

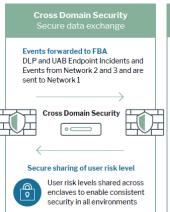
#### Solution:

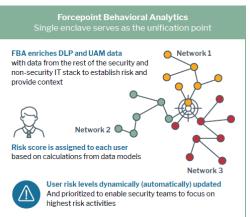
Forcepoint's Multilevel Risk Adaptive Protection Solution integrates the market's most powerful data protection suite, user behavioral analytics, next generation firewall and cross domain transfer technologies to provide secure data sharing and comprehensive user visibility. The solution provides multilevel end-to-end security utilizing Behavior Analytics by and securely sharing user risk levels across multiple networks for adaptive and consistent enforcement.

#### **Benefits:**

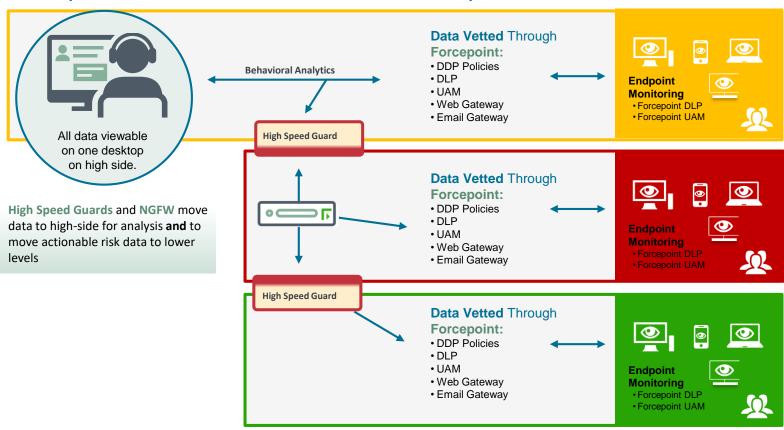
From a single pane of glass, multilevel Risk Adaptive Protection significantly reduces time to discovery, alerts and false positives, across domains to enable better use of resources for holistic forensic investigations, stronger security, and automated risk responses.







### Forcepoint's Zero Trust Multilevel Risk Adaption Solution



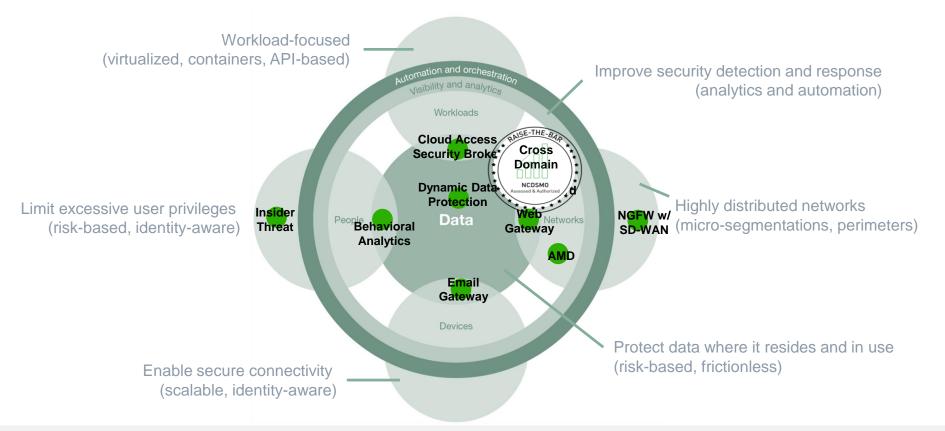
## **Cross Domain Solutions Suite**

Facilitating your mission while maintaining the highest degree of network and data security





# Zero Trust – Forcepoint Portfolio Today



**Forcepoint** 

# Thank you!

Patricia.Colpitts@forcepoint.com





**Data at the Center** 

Everywhere— cloud, on-prem, endpoint

**Behavior-based Controls** 

Automated ZT protection via riskadaptive enforcement **Unified Cloud Solution** 

**Dynamic Security Platform**